



City of Grand Island

Tuesday, December 17, 2019

Council Session

Item G-15

**#2019-365 - Approving Certificate of Final Completion for
Furnishing Components for “EIMCO® Type C3D-Full Trough
Skimmer Clarifier Mechanism; Project No. 2019-WWTP-1**

Staff Contact: John Collins, P.E. - Public Works Director

Council Agenda Memo

From: Jon Menough PE, Wastewater Plant Engineer

Meeting: December 17, 2019

Subject: Approving Certificate of Final Completion for Furnishing Components for “EIMCO® Type C3D-Full Trough Skimmer Clarifier Mechanism; Project No. 2019-WWTP-1

Presenter(s): John Collins PE, Public Works Director

Background

Ovivo USA, LLC of Salt Lake City, Utah was awarded a \$126,129.00 contract on February 12, 2019, via Resolution No. 2019-50, for Furnishing Components for “EIMCO® Type C3D-Full Trough Skimmer Clarifier Mechanism; Project No. 2019-WWTP-1.

This project involved the renovation of Final Clarifier No. 3. The work was divided into Phase I and Phase II. This bid was Phase I - parts procurement. Phase II followed for the labor and installation of parts procured, and painting of both existing and new clarifier components.

Discussion

The project was completed in accordance with the terms, conditions, and stipulations of the contract, plans and specifications. Materials were procured on budget, for a total cost of \$126,129.00.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve a resolution authorizing the Certificate of Final Completion.
2. Refer the issue to a Committee.
3. Postpone the issue to future date.
4. Take no action on the issue.

Recommendation

City Administration recommends that the Council approve the Certificate of Final Completion for Furnishing Components for “EIMCO® Type C3D-Full Trough Skimmer Clarifier Mechanism; Project No. 2019-WWTP-1.

Sample Motion

Move to approve the Certificate of Final Completion for Furnishing Components for “EIMCO® Type C3D-Full Trough Skimmer Clarifier Mechanism; Project No. 2019-WWTP-1.

ENGINEER'S CERTIFICATE OF FINAL COMPLETION

Furnishing Components for "EIMCO® Type C3D-Full Trough Skimmer Clarifier Mechanism;
Project No. 2019-WWTP-1

CITY OF GRAND ISLAND, NEBRASKA

December 17, 2019

TO THE MEMBERS OF THE COUNCIL
CITY OF GRAND ISLAND
GRAND ISLAND, NEBRASKA

This is to certify that Furnishing Components for "EIMCO® Type C3D-Full Trough Skimmer Clarifier Mechanism; Project No. 2019-WWTP-1 has been fully completed by The Ovivo USA, LLC of Salt Lake City, Utah under the contract dated February 12, 2019. The work has been completed in accordance with the terms, conditions, and stipulations of said contract and complies with the contract, the plans and specifications. The work is hereby accepted for the City of Grand Island, Nebraska, by me as Public Works Director in accordance with the provisions of Section 16-650 R.R.S., 1943.

Base Bid-

Item No.	Description	Total Quantity	Unit	Unit Price	Total Cost
1	48-Inch Lower Influent Collection Box	1.00	EA	\$ 21,471.00	\$ 21,471.00
2	Sludge Suction Header and Manifold	1.00	EA	\$ 48,102.00	\$ 48,102.00
3	Steel Squeegee	12.00	EA	\$ 94.00	\$ 1,128.00
4	Flush Valve Assembly	1.00	EA	\$ 1,589.00	\$ 1,589.00
5	Installation Fasteners and Shim Kit	1.00	EA	\$ 2,150.00	\$ 2,150.00
6	Center Drive Mechanism	1.00	EA	\$ 33,075.00	\$ 33,075.00
Total Base Bid Section =					\$107,515.00

Alternate Bid Section-

Item No.	Description	Total Quantity	Unit	Unit Price	Total Cost
A-1	48-Inch Lower Influent Collection Box (316 SS- Additional Cost)	1.00	EA	\$ 6,000.00	\$ 6,000.00
A-2	Sludge Suction Header and Manifold (316 SS with 316 SS Anchor Ring- Additional Cost)	1.00	EA	\$ 12,062.00	\$ 12,062.00
A-3	Steel Squeegee (316 SS- Additional Cost)	12.00	EA	\$ 46.00	\$ 552.00
Total Change Order No. 3 =					\$ 18,614.00

Total Construction Costs= \$126,129.00

I hereby recommend that the Engineer's Certificate of Final Completion for Furnishing Components for "EIMCO® Type C3D-Full Trough Skimmer Clarifier Mechanism; Project No. 2019-WWTP-1 be approved.

John Collins – City Engineer/Public Works Director

Roger G. Steele – Mayor

CLARIFIER COMPONENTS

FINAL CLARIFICATION
 CONSTRUCTED - 1977
 RETROFITTED TOW-BRO - 2005

MECHANISM REMOVED
 READY FOR NEW
 COMPONENTS

1. WASTE ACTIVATED SLUDGE PIT
2. INFLUENT FLOW CHANNEL
3. RETURN ACTIVATED SLUDGE (RAS)

TYPES OF WEAR IN CLARIFIERS

- COATING SYSTEM PEELING
- WATER CORROSION
- DIELECTRIC CORROSION
- METAL FATIGUE

CENTER MECHANISM DISTRIBUTER (CMD)

CENTER COLUMN

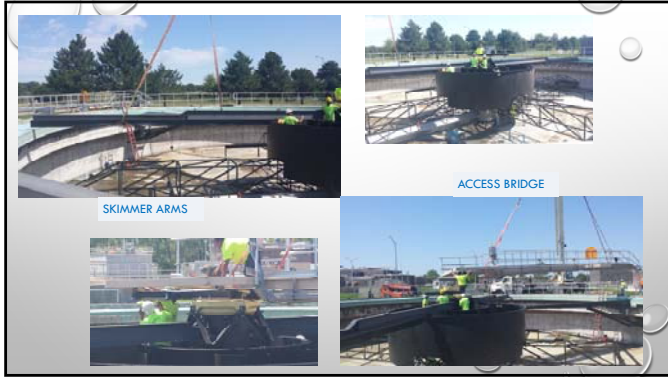
ROTATING CAGE WITH SUCTION MANIFOLD

ROTATING CAGE ATTACHMENT TO GEAR BOX

FEED WELL

ENERGY DISSIPATING INLET

TRUSS SUPPORTS



CLARIFIER COMPONENTS



RESOLUTION 2019-365

WHEREAS, the City Engineer/Public Works Director issued a Certificate of Final Completion for Furnishing Components for “EIMCO® Type C3D-Full Trough Skimmer Clarifier Mechanism; Project No. 2019-WWTP-1 certifying that Ovivo USA, LLC of Salt Lake City, Utah, under contract, has completed such for the total amount of \$126,129.00; and

WHEREAS, the City Engineer/Public Works Director recommends the acceptance of the material; and

WHEREAS, the Mayor concurs with the recommendation of the City Engineer/Public Works Director.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the Certificate of Final Completion for Furnishing Components for “EIMCO® Type C3D-Full Trough Skimmer Clarifier Mechanism; Project No. 2019-WWTP-1 is hereby confirmed for the total amount of \$126,129.00.

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Adopted by the City Council of the City of Grand Island, Nebraska, December 17, 2019.

Roger G. Steele, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
May 9, 2017	☐ City Attorney